

REMARKS

The Office Action mailed December 15, 2009 has been received and the Examiner's comments carefully reviewed. An amendment has been made to the Abstract to reduce its length to less than 150 words. No new subject matter has been added. Claim 1 has been amended. Claims 1-8 are currently pending. Applicants respectfully submit that the currently pending claims are in condition for allowance.

Objection to the Specification

The Examiner has objected to the Abstract of the disclosure because it contained more than 150 words. The Applicants have amended the Abstract to satisfy the Examiner's objection.

Claim Rejections – 35 U.S.C. § 103

Claims 1, 2 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Kim et al.* (U.S. Patent 6,816,740) in view of Applicant's admitted prior art (background of the invention, specification pages 1-5; hereinafter "APA"). Applicant has amended claim 1 and respectfully submits that the rejected claims are allowable.

Claim 1, as amended, includes the feature of "[obtaining] **channel response results of all possible user terminals in the current cell.**" The support for the feature is found at least in paragraph [27] of the specification of the present application and the definition of P which is the total length of channel estimation windows. Applicant thus respectfully submits that the original channel estimation results mentioned in the Specification refer to channel response results of all possible user terminals in the current cell. With this clarification, Applicant respectfully submits that the claim 1 and dependent claims 2 and 5 are allowable for the reasons advanced in the Amendment filed on 16 September 2009, which arguments are incorporated herein by reference.

Allowable Subject Matter

Claims 3, 4 and 6-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form incorporating all the limitations of the base claim and any intervening claims. Applicants thank the Examiner for this notification. However, as discussed above, the base claim (claim 1) and intervening claims (claims 2 and 5) are allowable over cited reference. Applicant therefore respectfully submits that claims 3, 4 and 6-8 are allowable as well and requests the withdrawal of the objections to the same.

SUMMARY

In view of the above amendments and remarks, Applicant respectfully requests a Notice of Allowance. If the Examiner believes a telephone conference would advance the prosecution of this application, the Examiner is invited to telephone the undersigned at the below-listed telephone number.



Date: March 15, 2010

Respectfully submitted,

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A handwritten signature in dark ink, appearing to read "Tong Wu", written over a horizontal line.

Tong Wu
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